AMENDMENTS TO CLAIMS

The Listing of Claims below replaces all prior versions, and listings, of claims in this application.

Listing of Claims:

1. (Currently Amended) A computerized method for indicating potential misclassification, consequent to the application of at least one first rule, of an incoming data item used by one or more application programs, the method comprising:

retrieving a user preference profile;

applying at least one first rule to the incoming data item and adding the incoming data item to a preexisting collection of one or more data items if the incoming data item follows the first rule;

calculating statistics regarding the data items in the preexisting collection;

applying one or more second rules to the calculated statistics to identify whether the incoming data item is an anomalous data item that is misclassified and has not properly been added to the preexisting collection despite satisfying the at least one first rule;

flagging the incoming data item as an anomalous data item if the data item is identified as an anomalous data item; and

indicating to at least one user, based on the retrieved user preference profile, that the preexisting collection contains at least one data item that has been identified as anomalous with regard to other data items in the preexisting collection.

2. (Currently Amended) The method of claim 1 wherein calculating comprises calculating a mean data item size and standard deviation for the other data items in the preexisting collection.

3. (Currently Amended) The method of claim 1 wherein calculating comprises calculating a mean interval between data items and standard deviation for the other data items in the preexisting collection.

4. (Currently Amended) The method of claim 1 wherein calculating comprises calculating a mean data item arrival time and standard deviation for the other data items in the preexisting collection.

5. (Currently Amended) The method of claim 1 wherein calculating comprises:

calculating a presence or absence of keywords for the other data items in the preexisting collection; and

identifying whether the data item is an anomalous data item based on the presence or absence of keywords.

6. (Currently Amended) The method of claim 1 wherein calculating statistics for the other data items in the preexisting collection is performed in real time.

7. (Original) The method of claim 1 wherein the step of calculating statistics for the other data items is performed periodically.

8. (Previously presented) The method of claim 1 wherein identifying comprises determining whether the data item falls outside a number of standard deviations from the statistical calculations.

9. (Original) The method of claim 8 comprising setting the number of standard deviations to a value set by a user.

10. (Currently Amended) Computer readable media storing program code, the program code instructing a programmable computer to execute a method for indicating potential misclassification, consequent to the application of at least one rule, or a data item used by one or more application programs, the method comprising:

retrieving a user preference profile;

applying the at least one rule to add the data item to a preexisting collection of one or more data items;

calculating statistics regarding the data items in the preexisting collection;

applying one or more second rules to the calculated statistics to identify whether the data item is an anomalous data item that is misclassified and has not properly been added to the preexisting collection despite satisfying the at least one first rule;

flagging the data item as an anomalous data item if the data item is identified as an anomalous data item; and

indicating to at least one user, based on in the retrieved user preference profile, that the preexisting collection contains at least one data item that has been identified as anomalous with regard to other data items in the preexisting collection.

11. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises calculating a mean data item size and standard deviation for the other data items in the preexisting collection.

12. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises calculating a mean interval between data items and standard deviation for the other data items in the preexisting collection.

13. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises calculating a mean data item arrival time and standard deviation for the other data items in the preexisting collection.

14. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating comprises:

calculating a presence of absence of keywords for other data items in the <u>preexisting</u> collection; and

identifying whether the data item is an anomalous data item based on the presence or absence of keywords.

15. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating statistics for other data items in the <u>preexisting</u> collection is performed in real time.

16. (Currently Amended) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein calculating statistics for other data items in the <u>preexisting</u> collection is performed periodically.

17. (Original) The computer readable media of claim 10 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within

the scope of a rule but anomalous when compared with other data items falling within the scope of the rule wherein identifying comprises determining whether the data item falls outside a number of standard deviations from the statistical calculations.

18. (Original) The computer readable media of claim 17 comprising a method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule comprising setting the number of standard deviations to a value set by a user.

19. (Currently Amended) A computerized method for recognizing and flagging a data item used by one or more application programs as falling within the scope of a rule but anomalous when compared with other data items falling within the scope of the rule, the method comprising:

retrieving a user preference profile;

applying the at least one first rule to add the data item to a preexisting collection of one or more data items;

calculating statistics regarding the data items in the preexisting collection;

applying one or more second rules to the calculated statistics to identify whether the data item is an anomalous data item that is misclassified and has not properly been added to the preexisting collection despite satisfying the at least one first rule;

flagging the data item as an anomalous data item if the data item is identified as an anomalous data item; and

taking an action for the flagged data item as set forth in the retrieved user preference

profile.